
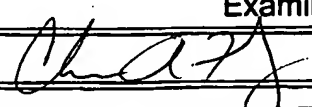
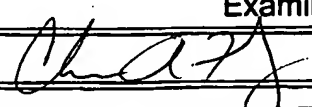
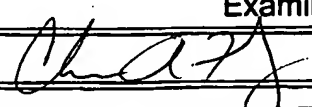




# ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18  
Stylesheet Version v18.0

Title of Invention	Channel-Selective Blanking for a Medical Device System																																										
<div>Application Number: 10/687133</div> <div>Confirmation Number: 8256</div> <div>First Named Applicant: Mark Frei</div> <div>Attorney Docket Number: 011738.00140</div> <div>Art Unit: 3762</div> <div>Examiner: Unassigned Unassigned</div> <div>Search string: ( 4825870 or 4967746 or 4974589 ).pn.</div> <div></div>																																											
<p><b>Certification:</b> This Information Disclosure Statement was submitted under the following conditions, which satisfies the requirement under 37 CFR 1.97(e). The filer certified:</p> <p>That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement.</p> <p><b>US Patent Documents</b></p> <p>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</p> <table border="1"><thead><tr><th>init</th><th>Cite.No.</th><th>Patent No.</th><th>Date</th><th>Patentee</th><th>Kind</th><th>Class</th><th>Subclass</th></tr></thead><tbody><tr><td>CF</td><td>1</td><td>4825870</td><td>1989-05-02</td><td>Mann</td><td></td><td></td><td></td></tr><tr><td>CF</td><td>2</td><td>4967746</td><td>1990-11-02</td><td>Vandergriff</td><td></td><td></td><td></td></tr><tr><td>CF</td><td>3</td><td>4974589</td><td>1990-12-04</td><td>Sholder</td><td></td><td></td><td></td></tr></tbody></table> <p><b>Signature</b></p> <table border="1"><thead><tr><th>Examiner Name</th><th>Date</th></tr></thead><tbody><tr><td></td><td>04-05-2006</td></tr></tbody></table>								init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass	CF	1	4825870	1989-05-02	Mann				CF	2	4967746	1990-11-02	Vandergriff				CF	3	4974589	1990-12-04	Sholder				Examiner Name	Date		04-05-2006
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PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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<b>Substitute for form 1449A/PTO</b> <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete If Known</b>			
		Application Number	10/687,133		
		Filing Date	October 15, 2003		
		First Named Inventor	Frei		
		Group Art Unit	3736		
		Examiner Name	Unassigned		
Sheet		of		Attorney Docket Number	011738.00140

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)	MM-DD-YYYY		

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Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)					
CF		EP 0562 237 A1		09/29/1993			

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>

Examiner Signature		Date Considered	04-05-06
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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.

<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 1 of 4

**Complete If Known**

Application Number	10/687,133
Filing Date	October 15, 2003
First Named Inventor	Mark G. Frei
Art Unit	3736
Examiner Name	TBD
Attorney Docket Number	011738.00140

**U.S. PATENT DOCUMENTS**

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		Number - Kind Code <sup>2</sup> (if known)			
CF		US- 3522811	08/04/1970	Schwartz et al.	
		US- 3850161	11/28/1974	Saul Liss	
		US- 3863625	02/04/1975	Viglione et al.	
		US- 3987616	07/06/1976	Sidney A. Ross	
		US- 3993046	11/23/1976	Fernandez et al.	
		US- 4019518	04/26/1977	Maurer et al.	
		US- 4038536	07/26/1977	Paul L. Feintuch	
		US- 4295474	10/20/1981	Robert E. Fischell	
		US- 4373527	2/15/1983	Robert E. Fischell	
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		US- 4566464	01/28/1988	Piconne et al.	
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		US- 5311889	05/19/1992	Nappholz et al.	
		US- 5269303	12/14/1993	Wernicke et al.	
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		US- 5311876	05/17/1994	Olsen et al.	
		US- 5335657	08/09/1994	Terry Jr. et al.	
		US- 6473639	10/24/2002	Fischell et al.	
		US- 6480743	11/12/2002	Kirkpatrick et al.	
		US- 6560486	05/06/2003	Osorio et al.	
		US- 6591138	07/08/2003	Fischell et al.	
		US- 6597954	07/22/03	Pless et al.	
		US- 6647296	11/11/2003	Fischell et al.	
CF		US- 2002/0013614	01/31/2002	David L. Thompson	

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet

2

of

4

**Complete if Known**

Application Number	10/687,133
Filing Date	October 15, 2003
First Named Inventor	Mark G. Frei
Art Unit	3736
Examiner Name	TBD
Attorney Docket Number	011738.00140

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cito No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
CF		US- 5487754	01/30/1996	Snell et al.	
		US- 5626145	05/08/1997	Clapp et al.	
		US- 5683422	11/04/1997	Mark T. Rise	
		US- 5713922	02/03/1998	Gary William King	
		US- 5713923	02/03/1998	Ward et al.	
		US- 5716377	02/10/1998	Rise et al.	
		US- 5720770	02/24/1998	Nappholz et al.	
		US- 5743860	04/28/1998	Hively et al.	
		US- 5752976	05/19/1998	Duffin et al.	
		US- 5782186	08/11/1998	Mark T. Rise	
		US- 5978702	11/02/1999	Ward et al.	
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		US- 6016449	01/18/2000	Fischell et al.	
		US- 6018682	01/25/2000	Mark T. Rise	
		US- 6066163	05/23/2000	Michael Sasha John	
		US- 6083248	07/04/2000	David L. Thompson	
		US- 6094598	7/25/2000	Eisberry et al.	
		US- 6117066	09/12/2000	Abrams et al.	
		US- 6128537	10/03/2000	Mark T. Rise	
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		US- 6341236	01/22/2002	Osorio et al.	
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		US- 6356784	03/12/2002	Lozano et al.	
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		US- 6366813	04/02/2002	Daniel J. Di Lorenzo	
		US- 6374140	04/16/2002	Mark T. Rise	
		US- 6427086	07/30/2002	Fischell et al.	
		US- 6459936	10/01/2002	Fischell et al.	
		US- 6466822	10/15/2002	Benjamin D. Pless	
CF		US- 6473639	10/24/2002	Fischell et al.	

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Substitute for form 1449B/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Application Number	10/687,133
		Filing Date	October 15, 2003
		First Named Inventor	Mark G. Frei
		Art Unit	3736
		Examiner Name	TBD
(Use as many sheets as necessary)		Attorney Docket Number	011738.00140
Sheet	3	of	4

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
CF		Alan V. Oppenheim & Ronald W. Schaffer, Digital Signal Processing, Prentice-Hall, Inc., Englewood Cliffs, New Jersey, 1975, pg. 18-24.	
CF		Gotman J., & Gloor, P., "Automatic Recognition and Quantification of Interictal Epileptic Activity in the Human Scalp EEG", Electroencephalography and Clinical Neurophysiology, 1976, 41:513-529.	
CF		B. Litt and J. Echauz, "Prediction of Epileptic Seizures", 1 The Lancet Neurology 22 May 2002	
CF		H. Qu & J. Gotman, "A Seizure Warning System For Long-term Epilepsy Monitoring", 45 Neurology 2250, 1995	
CF		J. Gotman, "Automatic Recognition of Epileptic Seizures in the EEG", 54 Electroencephalography and Clinical Neurophysiology at 530-540, 1982	
CF		Lapkin et al., "The Electroencephalogram in Childhood Basilar Artery Migraine", 27Neurology 580-583, June 1977)	
CF		Murro et al., "Computerized Seizure Detection of Complex Partial Seizures", 79 Electroencephalography and Clinical Neurophysiology 330-333 (1991)	
CF		P. Rajna and C. Lona, "Sensory Stimulation for Inhibition of Epileptic Seizures", 30(2) Epilepsia 168-174, 1989	
CF		R.P. Lesser et al., "Brief Bursts of Pulse Stimulation Terminate Afterdischarges Caused by Cortical Stimulation", Neurology 53, December 1999	
CF		Webber, W.R.S. et al., "Automatic EEG Spike Detection: What Should the Computer Imitate", 87 Electroencephalography and Clinical Neurophysiology 330-333 (1993)	
CF		Grassberger, Peter et al., "Characterization of Strange Attractors" Vol. 50, No.5., The American Physical Society, January 31, 1983.	

Examiner Signature		Date Considered	04-05-06
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 4 of 4

**Complete if Known**

Application Number	10/687,133
Filing Date	October 15, 2003
First Named Inventor	Mark G. Frei
Art Unit	3736
Examiner Name	TBD
Attorney Docket Number	011738.00140

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
CF		Iasemidis, L. D. and Sackellares, J. C. "Chaos Theory and Epilepsy". The Neuroscientist, 2:118--126, 1996. <retrieved from <a href="http://citeseer.ist.psu.edu/iasemidis96chaos.html">http://citeseer.ist.psu.edu/iasemidis96chaos.html</a> >	
CF		Elger, Christian E., et al., "Short Communication: Seizure Prediction By Non-Linear Time Series Analysis of Brain Electrical Activity" European Journal of Neuroscience, Vol. 10, pgs. 786-789 (1998)	
		<del>Gotman, J., "Seizure Recognition and Analysis", Montreal Neurological Institute and Department of Neurology and Neurosurgery, McGill University, Montreal, Quebec, H3A 2B4 (Canada)</del>	
CF		Vachtsevanos, G.J., et al. "Neuro-Fuzzy Approaches to Decision Making: A Comparative Study With An Application to Check Authorization" Journal of Intelligent and Fuzzy Systems, Vol. 6, pgs. 259-278 (1998)	
CF		Osorio, Ivan, et al., "Real-Time Automated Detection and Quantitative Analysis of Seizures and Short-Term Prediction of Clinical Onset" Epilepsia, Vol. 39(6) pgs. 615-627, (1998)	

Examiner  
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Cathy

Date  
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04-05-06

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Substitute for form 1448B/PTO		<b>Complete if Known</b>	
		<b>Application Number</b>	10/687,133
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Filing Date</b>	October 15, 2003
		<b>First Named Inventor</b>	Mark Frei
		<b>Art Unit</b>	3762
		<b>Examiner Name</b>	Not assigned
		<b>Attorney Docket Number</b>	011738.00140
Sheet	2	of	2

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CF		PCT International Search Report	

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